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PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Briggs and Tatum

Serial No. 09/210,747

Filed: December 15, 1998



Group Art Unit: 1645

Examiner: V. Portner

Atty. Dkt. No. 00295.77957

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For: CONSTRUCTION OF PASTEURELLA HAEMOLYTICA VACCINES

AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

This amendment is filed in response to the Office Action mailed November 13, 2000. We believe no fee is due in connection with this amendment. If a fee is due, please charge Deposit Account No. 19-0733.

Please enter the following amendments.

IN THE CLAIMS

~~Please delete claims 34, 35, 38, 39, 45, and 50.~~

40. (Amended) The vaccine of claim [34] 41 comprising *P. haemolytica* ATCC 55518.

41. (Amended) A vaccine for inducing protective immunity against *Pasteurella haemolytica* infection, comprising: an isolated *Pasteurella haemolytica* bacterium which comprises a mutation in an *aroA* [mutation] gene, wherein the mutation attenuates the bacterium.

43. (Amended) The vaccine of claim 41 which is [administered by] formulated for